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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/459,703	12/13/1999	Kiran A. Padwekar	884.027US1	1539	
21186	7590 01/12/2005		EXAMINER		
	WEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. MEONSKE,			, TONIA L	
P.O. BOX 2938 MINNEAPOLIS, MN 55402			ART UNIT	PAPER NUMBER	
WHINNEAT OLIS, WIN 33402			2183		

DATE MAILED: 01/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
		09/459,703	PADWEKAR, KIRAN A.			
	Office Action Summary	Examin r	Art Unit	•		
		Tonia L Meonske	2183			
Period fo	The MAILING DATE of this communicator Reply	ation app ars on the cov r she t v	ith th correspondence address			
THE - Exte after - If the - If NO - Failt Any	MAILING DATE OF THIS COMMUNICAL AND	ATION.  37 CFR 1.136(a). In no event, however, may a cation.  days, a reply within the statutory minimum of th ory period will apply and will expire SIX (6) MOI, by statute, cause the application to become A	reply be timely filed  rty (30) days will be considered timely.  NTHS from the mailing date of this communication.  BANDONED (35 U.S.C. § 133).			
Status						
1)[\]	Responsive to communication(s) filed	on <u>01 November 2004</u> .				
2a)□	This action is <b>FINAL</b> . 2b	)⊠ This action is non-final.				
3)□	Since this application is in condition fo closed in accordance with the practice	•				
Disposit	ion of Claims					
5)	Claim(s) <u>1,2 and 4-26</u> is/are pending in 4a) Of the above claim(s) is/are Claim(s) is/are allowed. Claim(s) <u>1,2 and 4-26</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction	withdrawn from consideration.				
Applicat	ion Papers					
9)[	The specification is objected to by the I	Examiner.				
10)	) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
	Applicant may not request that any objection					
11)	Replacement drawing sheet(s) including the The oath or declaration is objected to be	·				
Priority	under 35 U.S.C. § 119					
a)	Acknowledgment is made of a claim fo  All b) Some * c) None of:  1. Certified copies of the priority do  3. Copies of the certified copies of application from the International See the attached detailed Office action	ocuments have been received. Ocuments have been received in the priority documents have bee all Bureau (PCT Rule 17.2(a)).	Application No n received in this National Stage			
Attachmer		_				
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTC		Summary (PTO-413) (s)/Mail Date			
3) Infor	ce of Draftsperson's Patent Drawing Review (PTC mation Disclosure Statement(s) (PTO-1449 or PT er No(s)/Mail Date	, <u> </u>	Informal Patent Application (PTO-152)			

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#### **DETAILED ACTION**

### Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-8, 10, 11, 14-20, 22, and 23 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Deao et al., US Patent 6,065,106.
- 3. The rejections are respectfully maintained and incorporated by reference as set forth in the last office action, mailed on November 1, 2004.
- 4. Claims 24-26 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Deao et al., US Patent 6,065,106.
- 5. Referring to claim 24, Deao et al. have taught the computer readable medium of claim 23, wherein the replay handler includes computer instructions which, when executed, cause the repeatedly replaying the at least one execution to occur (Figure 45, The system code, or computer instructions are executed. An emulation event occurs, which causes the repeatedly replaying the at least one execution to begin occurring.).
- 6. Referring to claim 25, Deao et al. have taught the computer readable medium of claim 23, wherein the replay handler has a predetermined number of replays for the at least one execution (Figure 45, The replay handler is predetermined to replay at least one execution.).

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7. Referring to claim 26, Deao et al. have taught the computer readable medium of claim 23, wherein the replay handler dynamically determines the number of replays for the at least one execution (In Figure 45, the replay handler dynamically determines the number of replays for the at least one execution, element 4522.).

# Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- 9. Claims 9, 12, 13, and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Deao et al., US Patent 6,065,106.
- 10. The rejections are respectfully maintained and incorporated by reference as set forth in the last office action, mailed on November 1, 2004.

## Response to Arguments

- 11. Applicant's arguments filed November 1, 2004 have been fully considered but they are not persuasive.
- 12. On page 8, Applicant argues in essence:

"Specifically, Applicant proposes that independent claim 1 now include the feature "wherein in response to receiving a single replay indicator, the processor is configured to test itself by repeatedly executing a plurality of instructions using a replay handler loaded into a memory hierarchy." Deao's Figure 45, Block 4520 shows that a software breakpoint is required to trigger each additional emulation event. Applicant cannot find, and Office Action 21 and Paper 13 do not point to any passage in Deao that teaches or suggests the cited "replay handler" claim feature."

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However, Deao has in fact taught the cited "replay handler" claim feature. The fact that the invention of Deao may require a software breakpoint to trigger each additional emulation event is irrelevant. The claims merely state that in response to receiving a single replay indicator, the processor is configured to test itself by repeatedly executing a plurality of instructions. In Deao, when the replay indicator is received, the processor is configured to test itself. The processor tests itself by repeatedly executing a plurality of instructions with the help of software breakpoints. Nothing in the claims require that the single replay indicator received is the only indicator necessary for the processor being completely configured to test itself by repeatedly executing a plurality of instructions. Therefore, Deao has in fact taught the cited "replay handler" and this argument is moot.

# 13. On page 9, Applicant argues in essence:

"The Examiner rejected claims 9, 12, 13, and 21 based on Deao. Applicant respectfully traverses the single reference rejection under 35 USC 103 because Deao does not teach or suggest all of the recited claim elements. Since all the elements of the claims are not found in the reference, Applicant assumes that Examiner is taking official notice of the missing elements. Applicant respectfully objects to this pursuant to MPEP 2144.03 and requests that the Examiner cite references in support of this position."

In response to Applicant's request, below are the references that teach the obvious elements that are absent in Deao.

a. Claim 9 states, "wherein the storage element is a hard drive". Finkelstein's Pocket Book of technical Writing defines a hard drive as an input/output device for the nonvolatile storage and retrieval of data. Input/output devices move information into and out of the computer. The computer writes (or outputs) data to the hard drive and reads (or inputs) data from the hard drive, it remains there even when the power is turned off.

See <a href="http://www.d.umn.edu/~jmackiew/comp3130">http://www.d.umn.edu/~jmackiew/comp3130</a> moreinfo techdd.htm.

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b. Claim 12 states, "wherein on the replay handler being executed, the replay handler is modifiable by the host system". Borland C++ for Windows User's Guide teaches a replay handler being modified by the host system several times on pages 103-122, for example see page 119 under the section entitled "modifying an existing breakpoint".

- c. Claim 13 states, "wherein the replay handler is modified to alter starting and stopping points of one of the at least one executions". Borland C++ for Windows User's Guide teaches in several locations on pages 103-122, a replay handler that is modified to alter starting and stopping points of one execution, for example see page 109 under the sections entitled "stopping the program" and "Starting over".
- Claim 21 states, "wherein the number of times, the starting point, and the stopping point were modified by a user". Borland C++ for Windows User's Guide teaches these limitations in several locations on pages 103-122. For example, for the limitation "the number of times", see page 119 under the section entitled "creating conditional breakpoints", for the limitation "the starting point and the stopping point", see page 109 under the sections entitled "stopping the program" and "Starting over".

#### Conclusion

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tonia L Meonske whose telephone number is (571) 272-4170. The examiner can normally be reached on Monday-Friday, 8-4:30.

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15. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie P Chan can be reached on (571) 272-4162. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Application Information Retrieval (PAIR) system. Status information for published applications

Information regarding the status of an application may be obtained from the Patent

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ENT PATENT EXAMINER

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